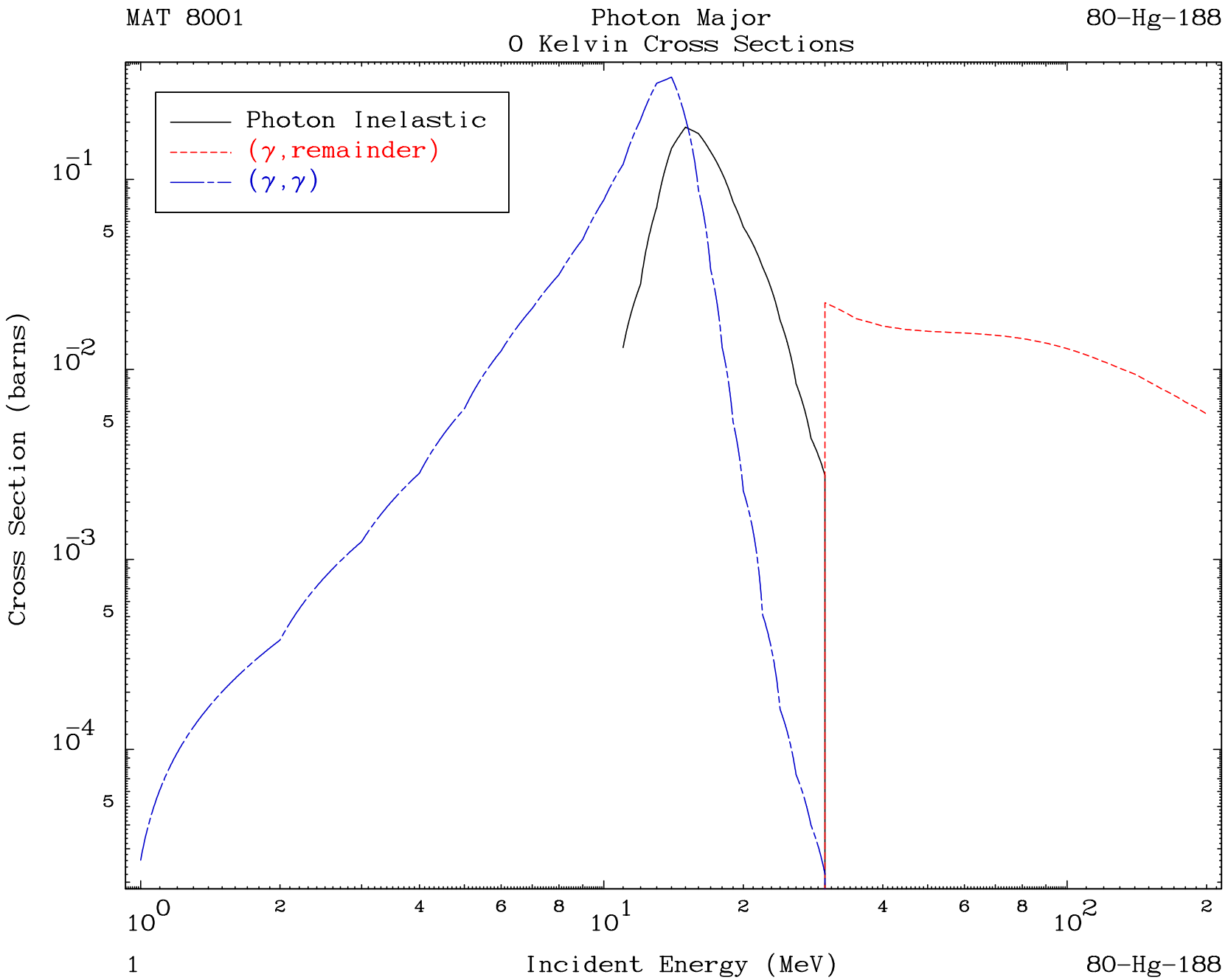
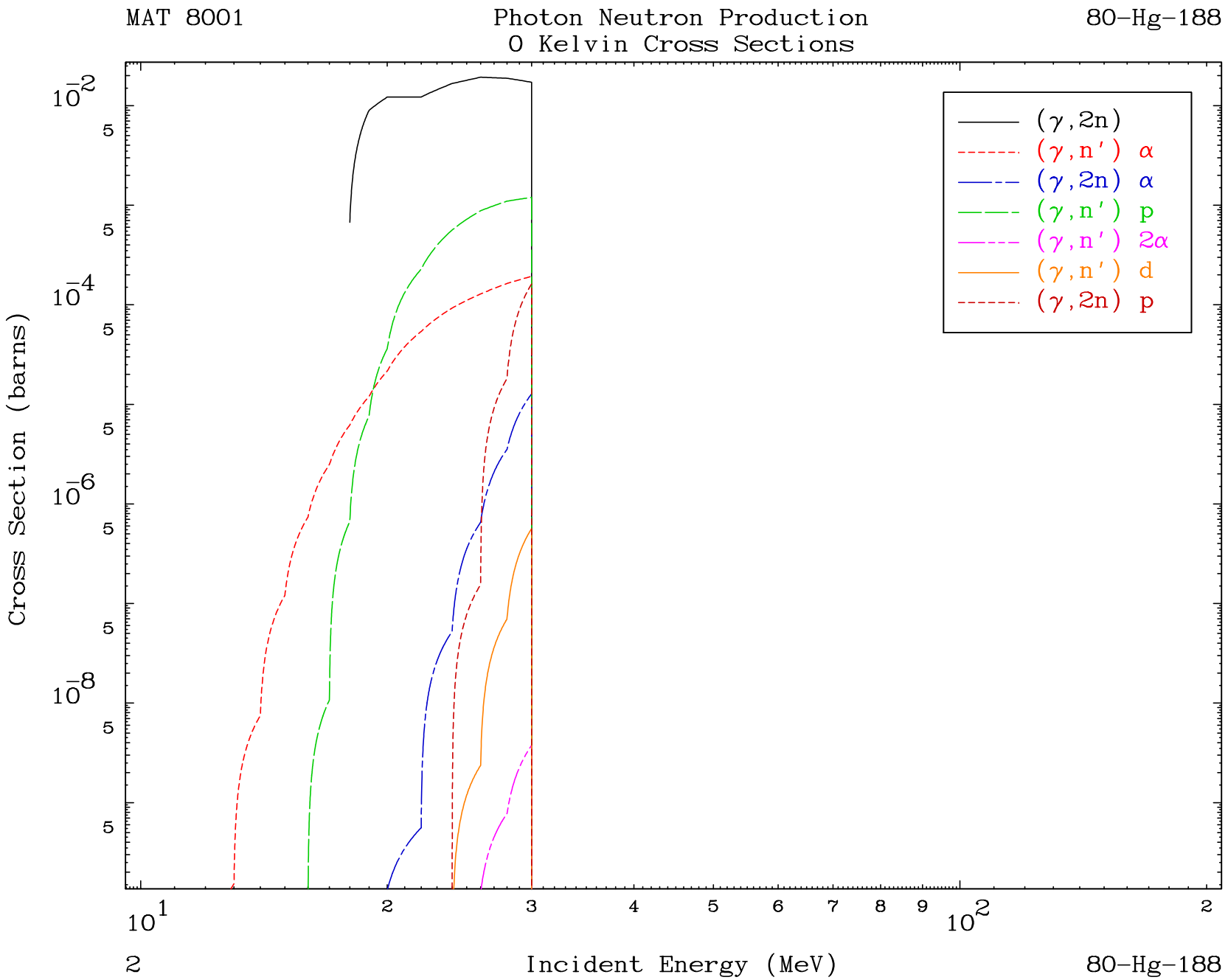
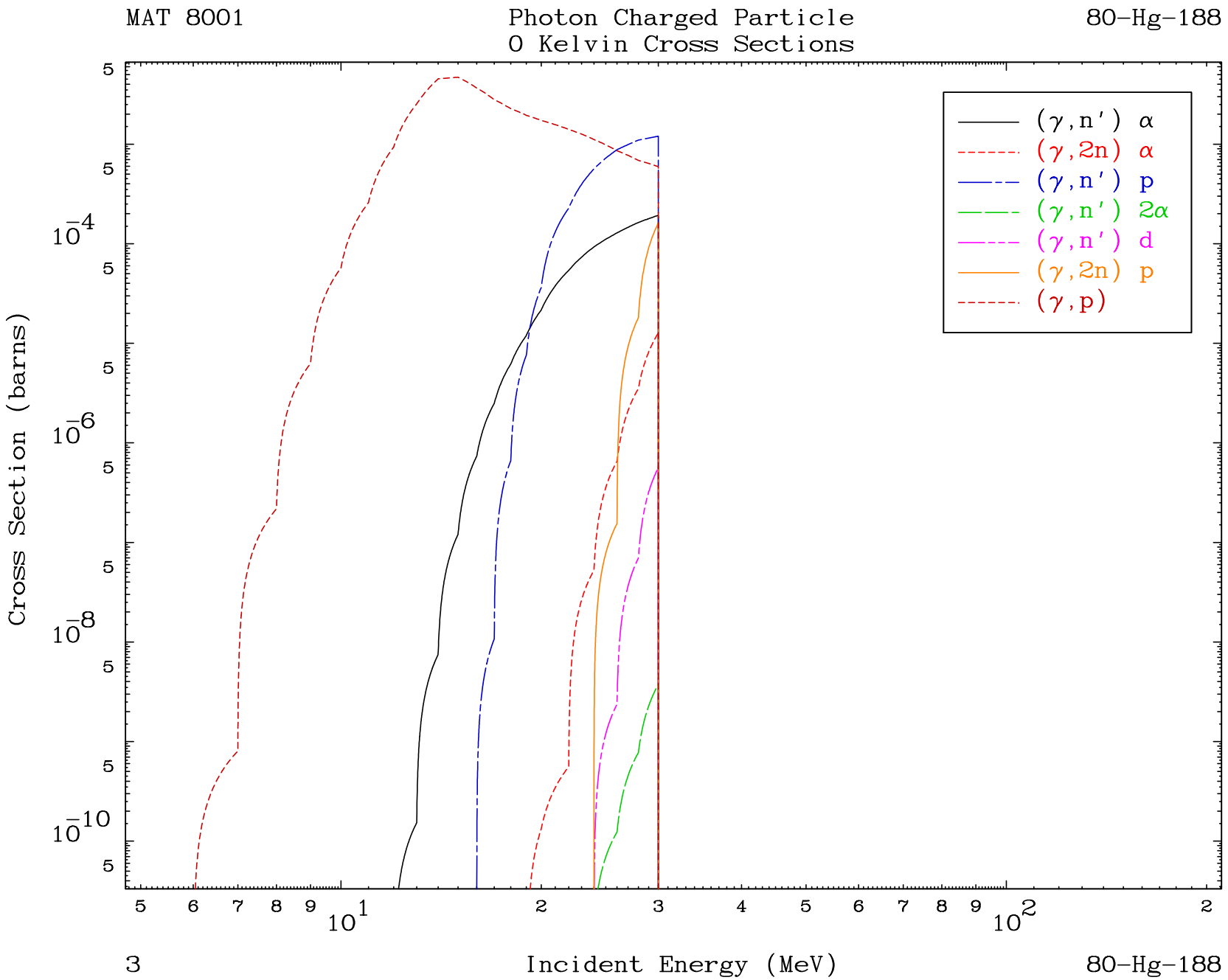
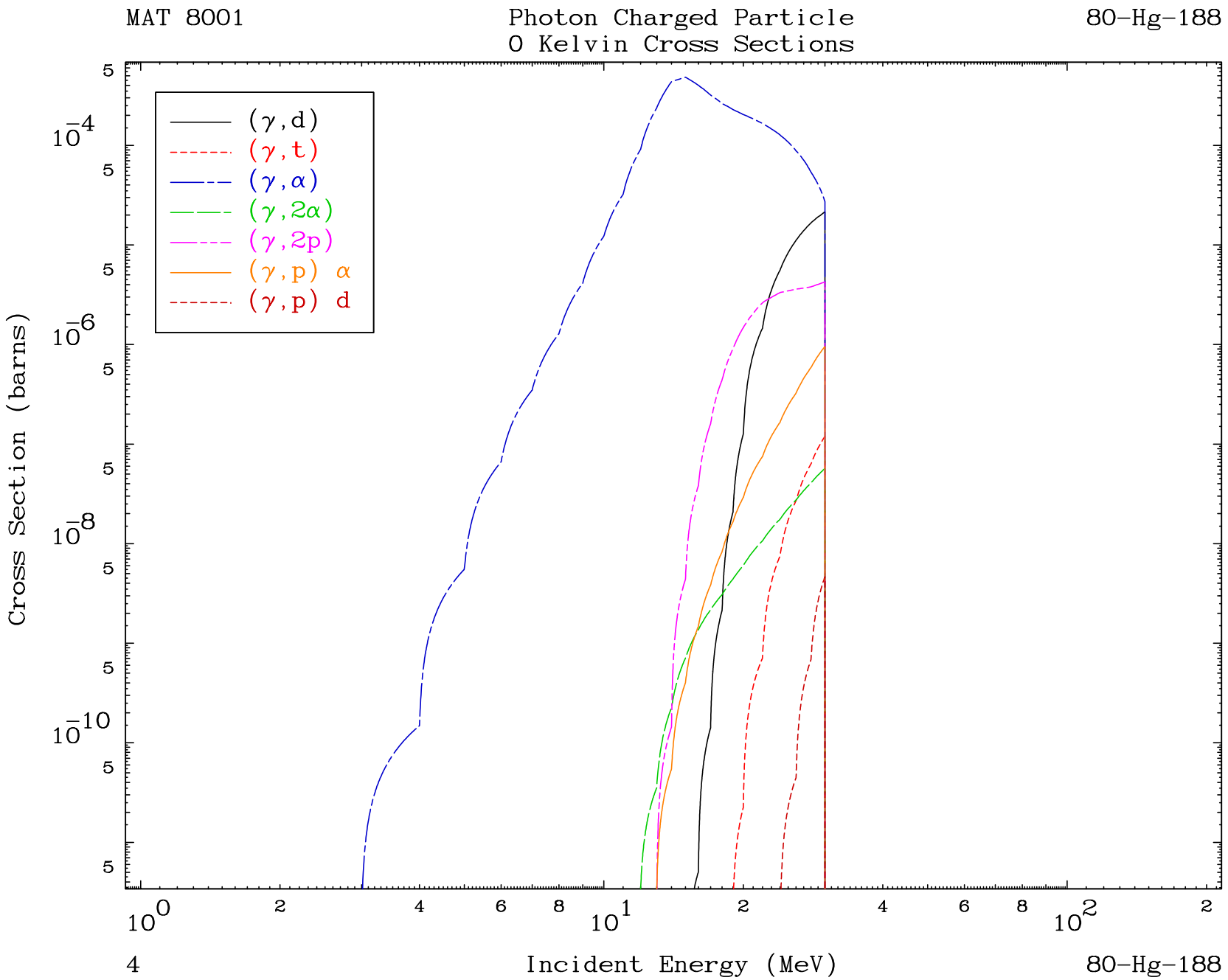
Program EVALPLOT
(Version 2017-1)
by
Dermott E. Cullen
(Present Contact Information)
Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.
Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

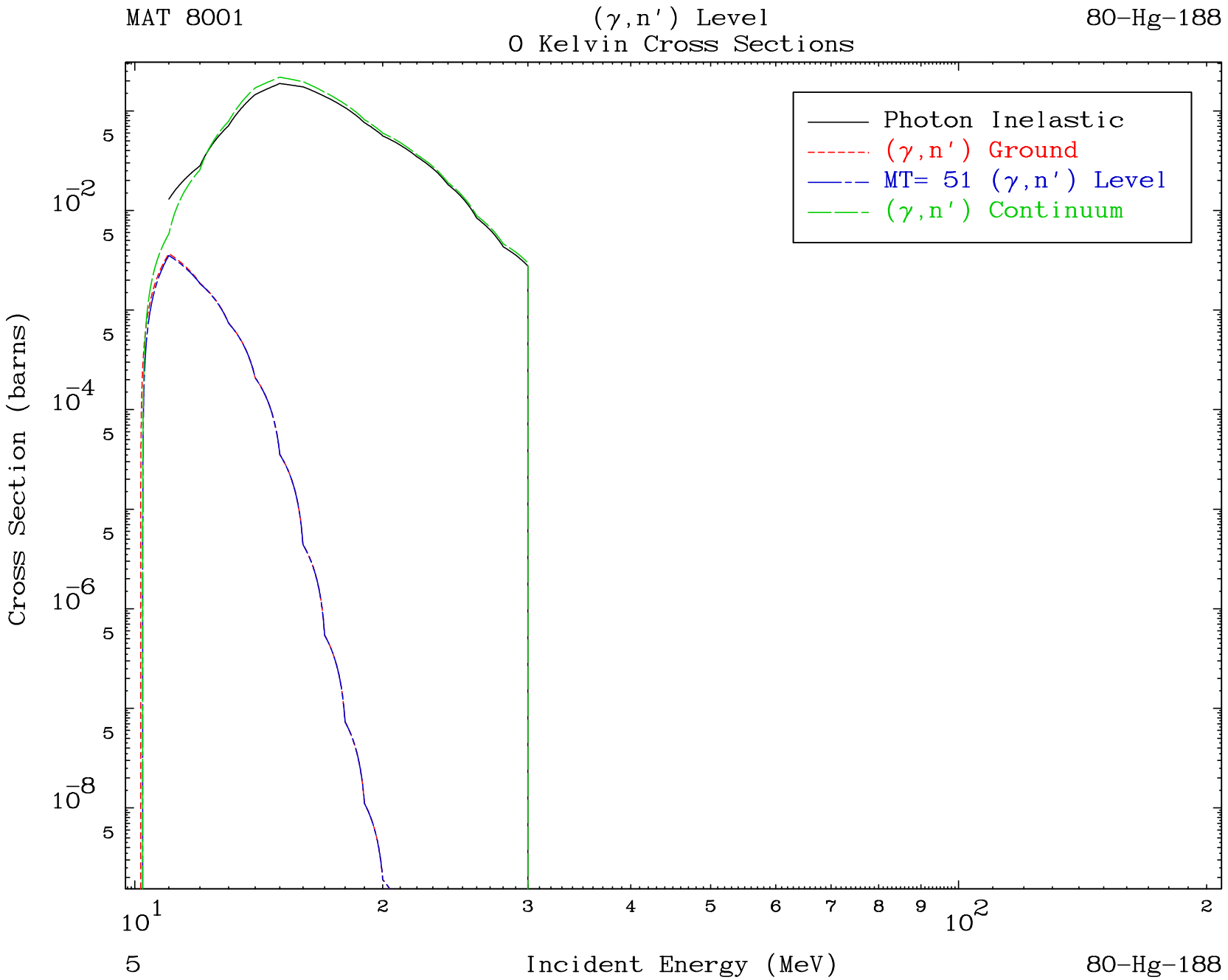
Press Mouse Button to Start

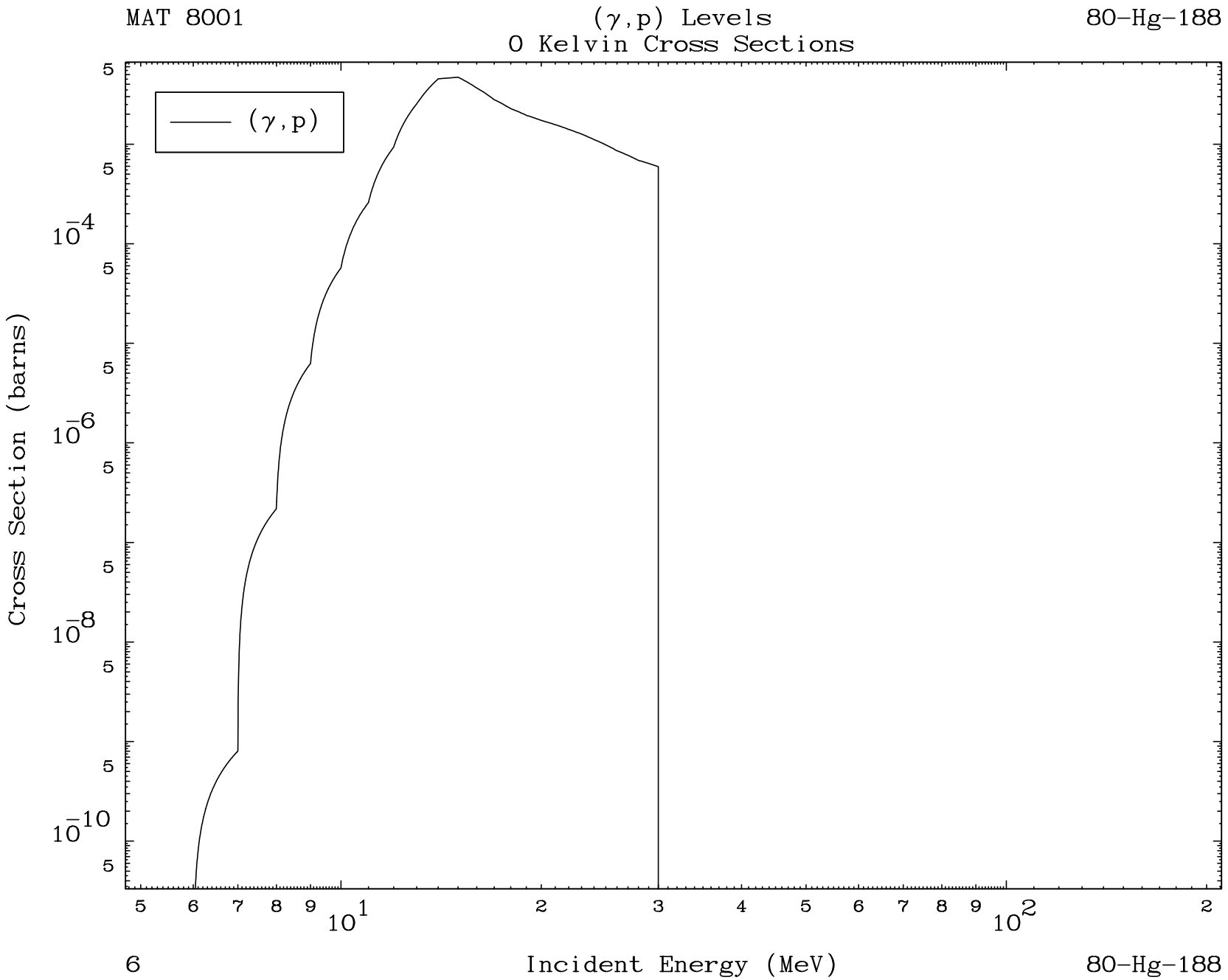

MAT 8001
Photon Major
80-Hg-188
0 Kelvin Cross Sections
Photon Inelastic
(γ,remainder)
(γ,γ)
Cross Section (barns)
10^-1
5
10^-2
5
10^-3
5
10^-4
5
10^0
2
4
6
8
10^1
2
4
6
8
10^2
2
1
Incident Energy (MeV)
80-Hg-188

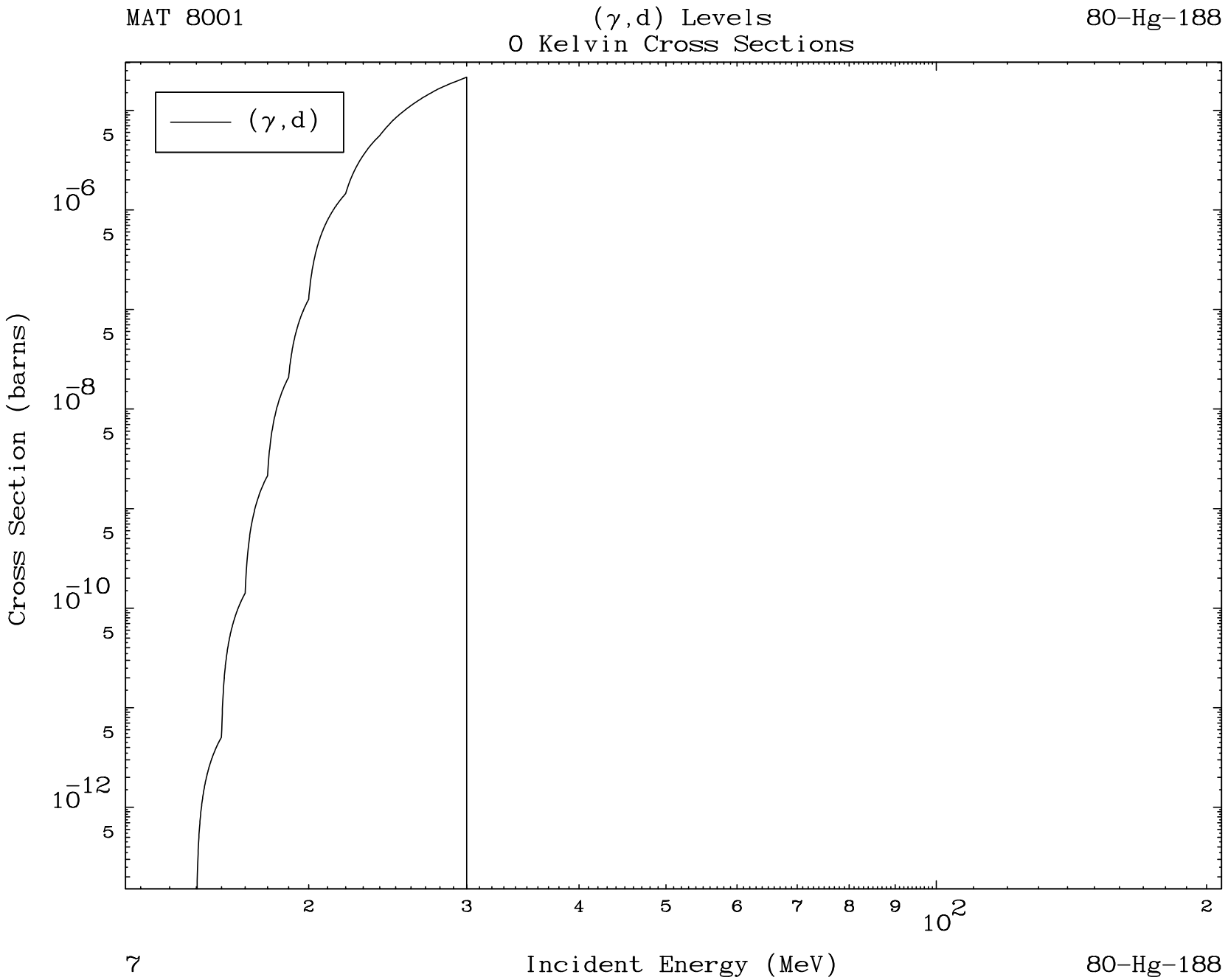

MAT 8001
Photon Neutron Production
0 Kelvin Cross Sections
80-Hg-188
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
80-Hg-188
(γ,2n)
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p

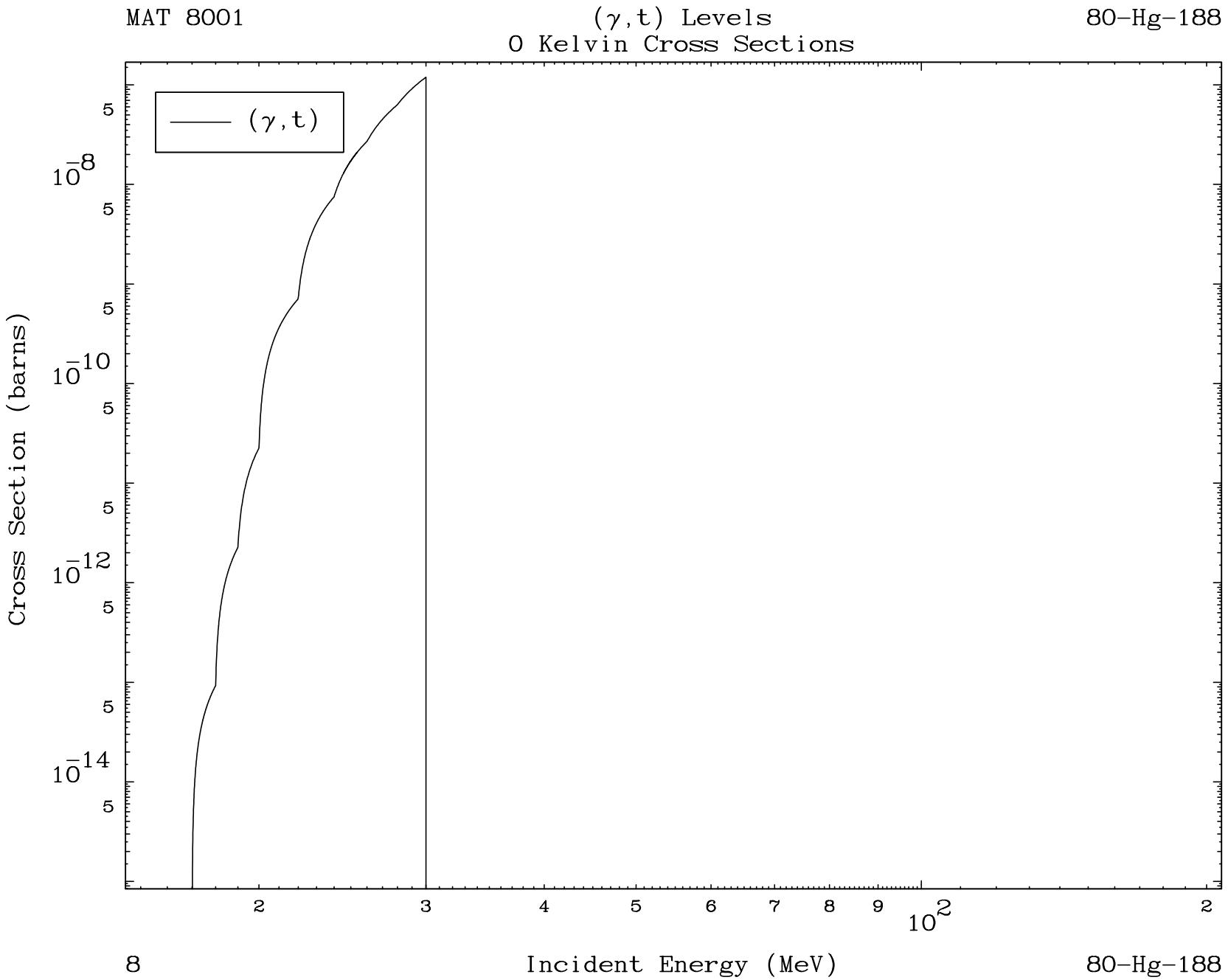

MAT 8001
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-188
Cross Section (barns)
Incident Energy (MeV)
3
80-Hg-188
(γ,n') α
(γ,2n) α
(γ,n') p
(γ,n') 2α
(γ,n') d
(γ,2n) p
(γ,p)

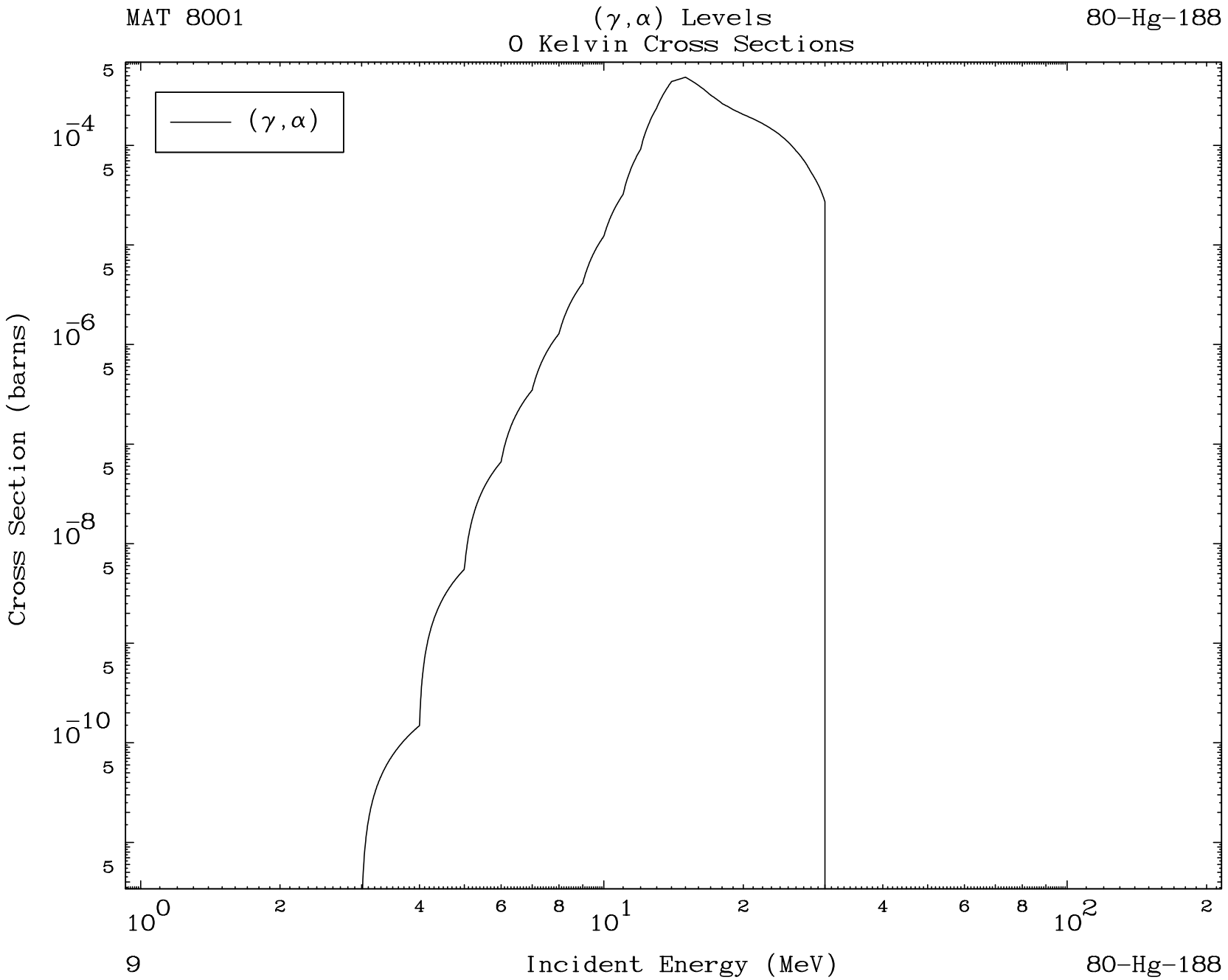

MAT 8001
Photon Charged Particle
0 Kelvin Cross Sections
80-Hg-188
(γ,d)
(γ,t)
(γ,α)
(γ,2α)
(γ,2p)
(γ,p) α
(γ,p) d
Cross Section (barns)
Incident Energy (MeV)
80-Hg-188
4

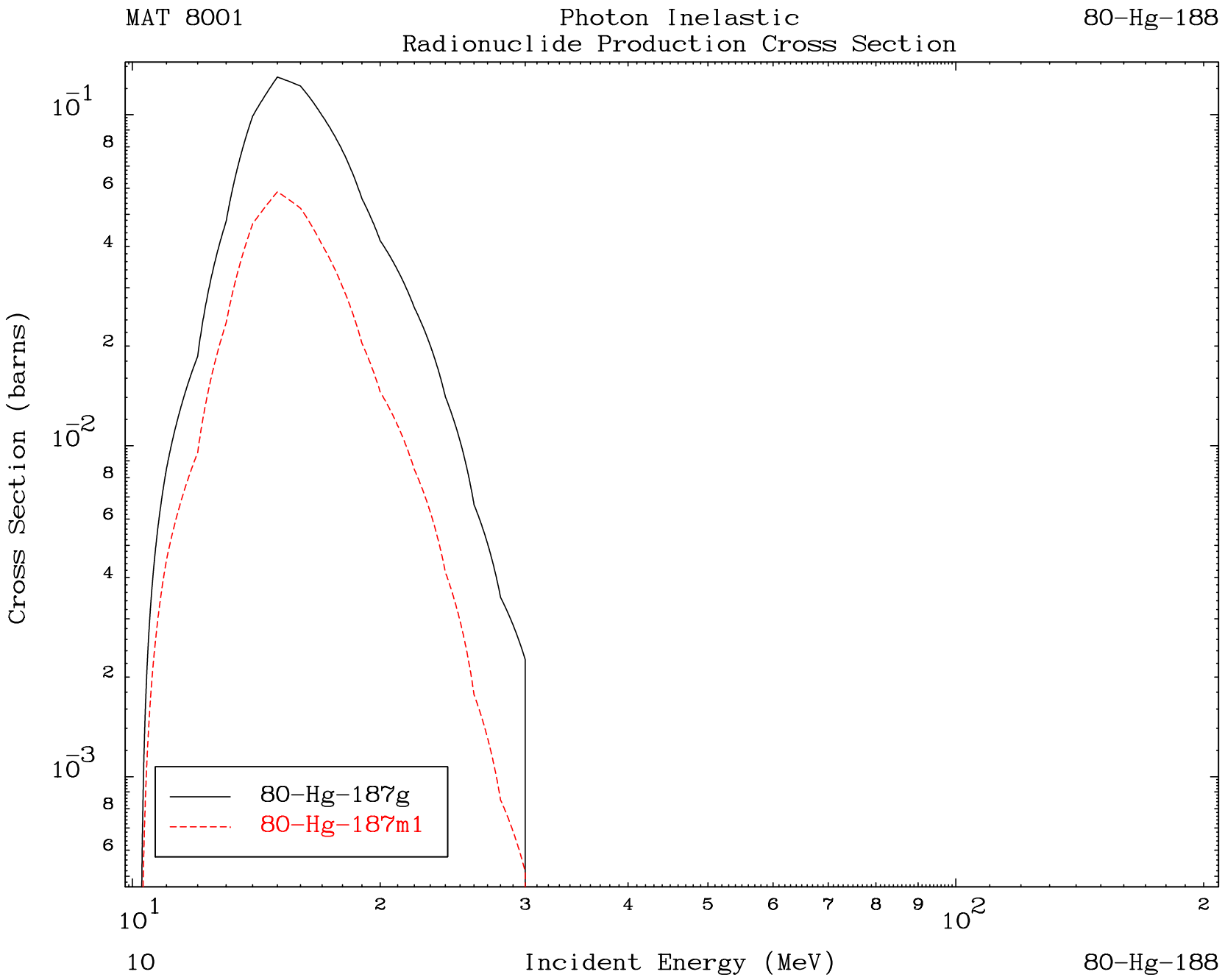

MAT 8001
(γ,n') Level
80-Hg-188
0 Kelvin Cross Sections
Photon Inelastic
(γ,n') Ground
MT= 51 (γ,n') Level
(γ,n') Continuum
Cross Section (barns)
10-2
10-4
10-6
10-8
5
101
2
3
4
5
6
7
8
9
102
2
Incident Energy (MeV)
80-Hg-188

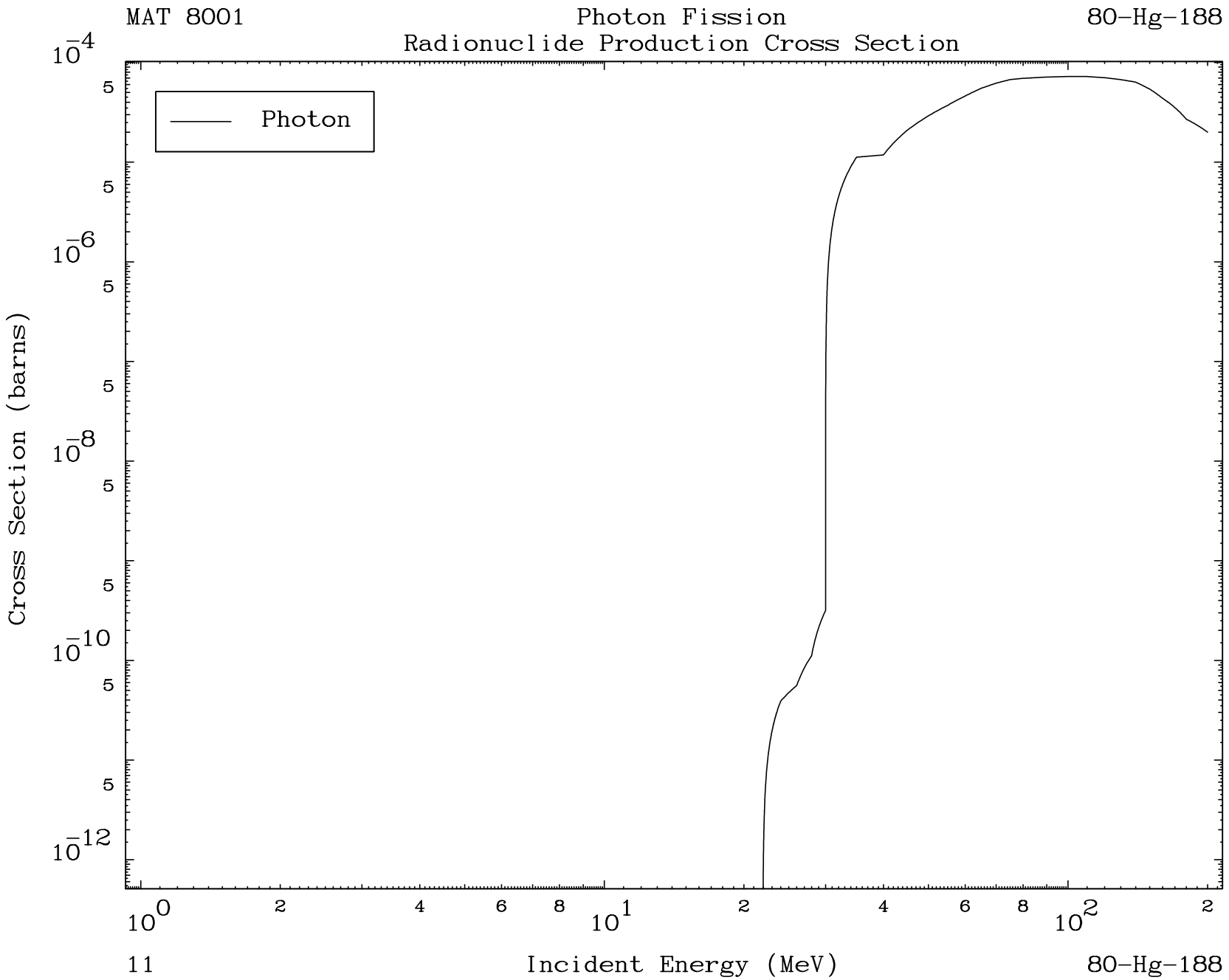

MAT 8001
(γ,p) Levels
80-Hg-188
0 Kelvin Cross Sections
(γ,p)
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
5
10^1
2
3
4
5
6
7
8
9
10^2
2
6
Incident Energy (MeV)
80-Hg-188

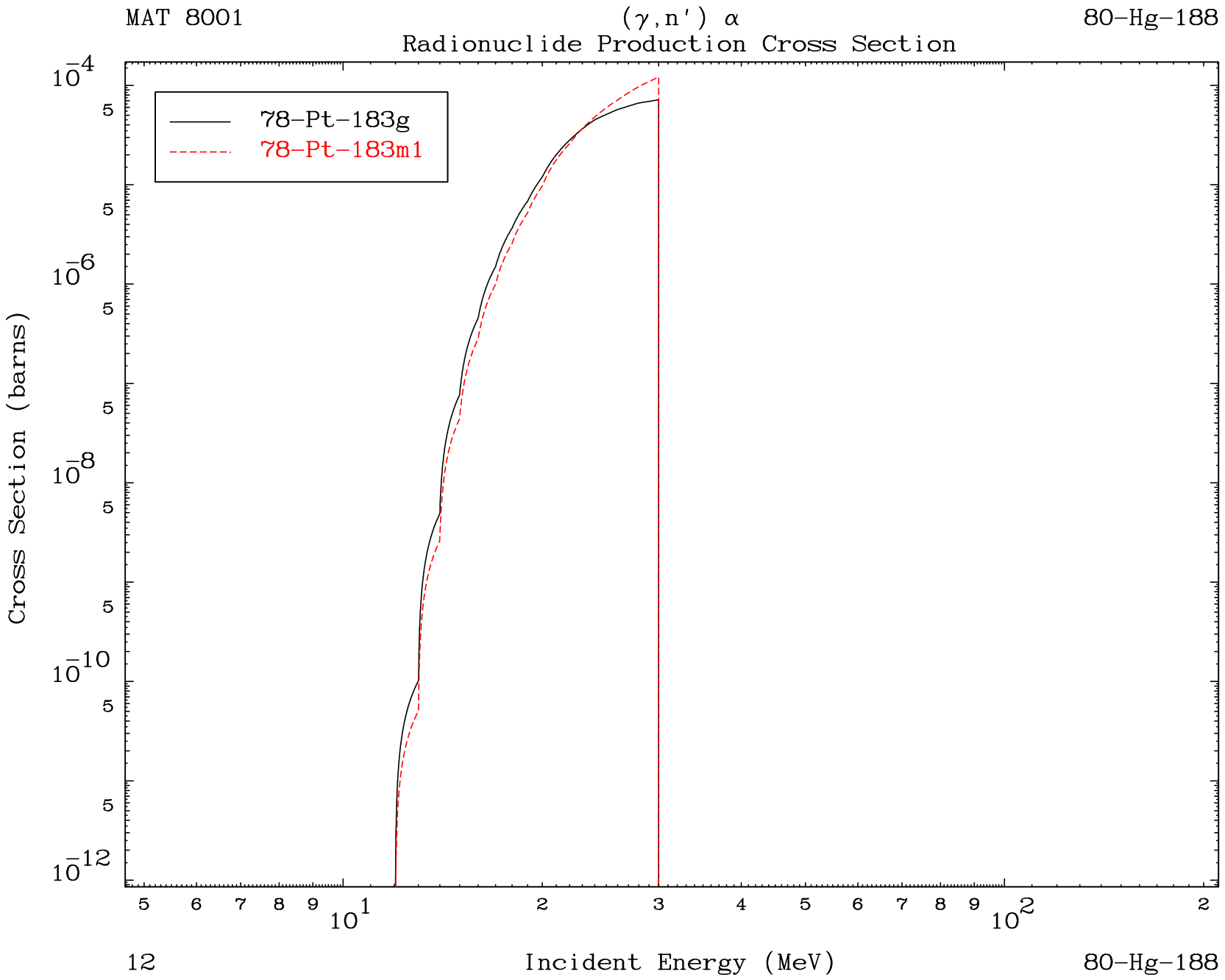

MAT 8001
(γ,d) Levels
80-Hg-188
0 Kelvin Cross Sections
(γ,d)
Cross Section (barns)
10-6
10-8
10-10
10-12
5
2
3
4
5
6
7
8
9
10 2
2
7
Incident Energy (MeV)
80-Hg-188

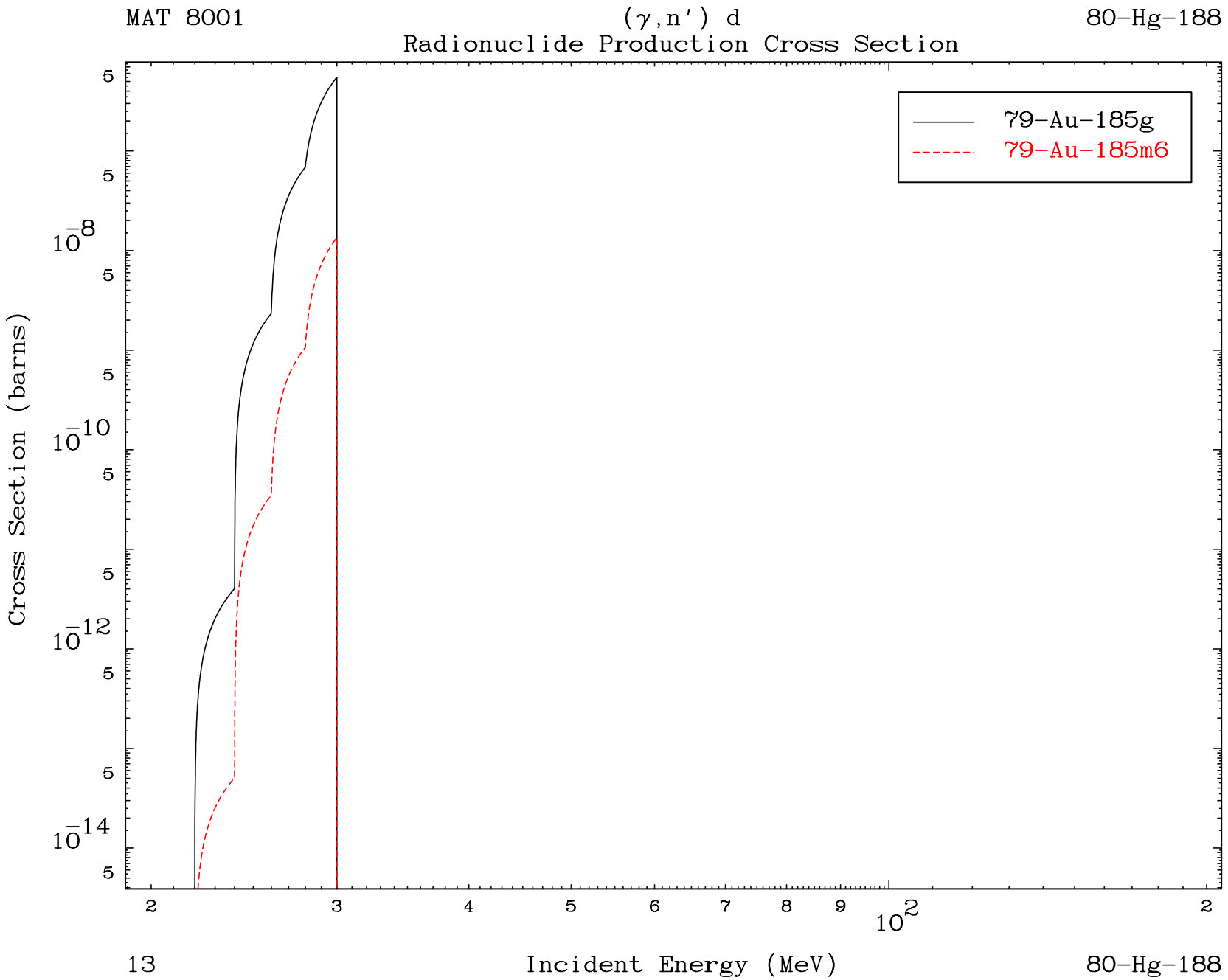

MAT 8001
(γ,t) Levels
80-Hg-188
0 Kelvin Cross Sections
(γ,t)
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
Incident Energy (MeV)
8
80-Hg-188

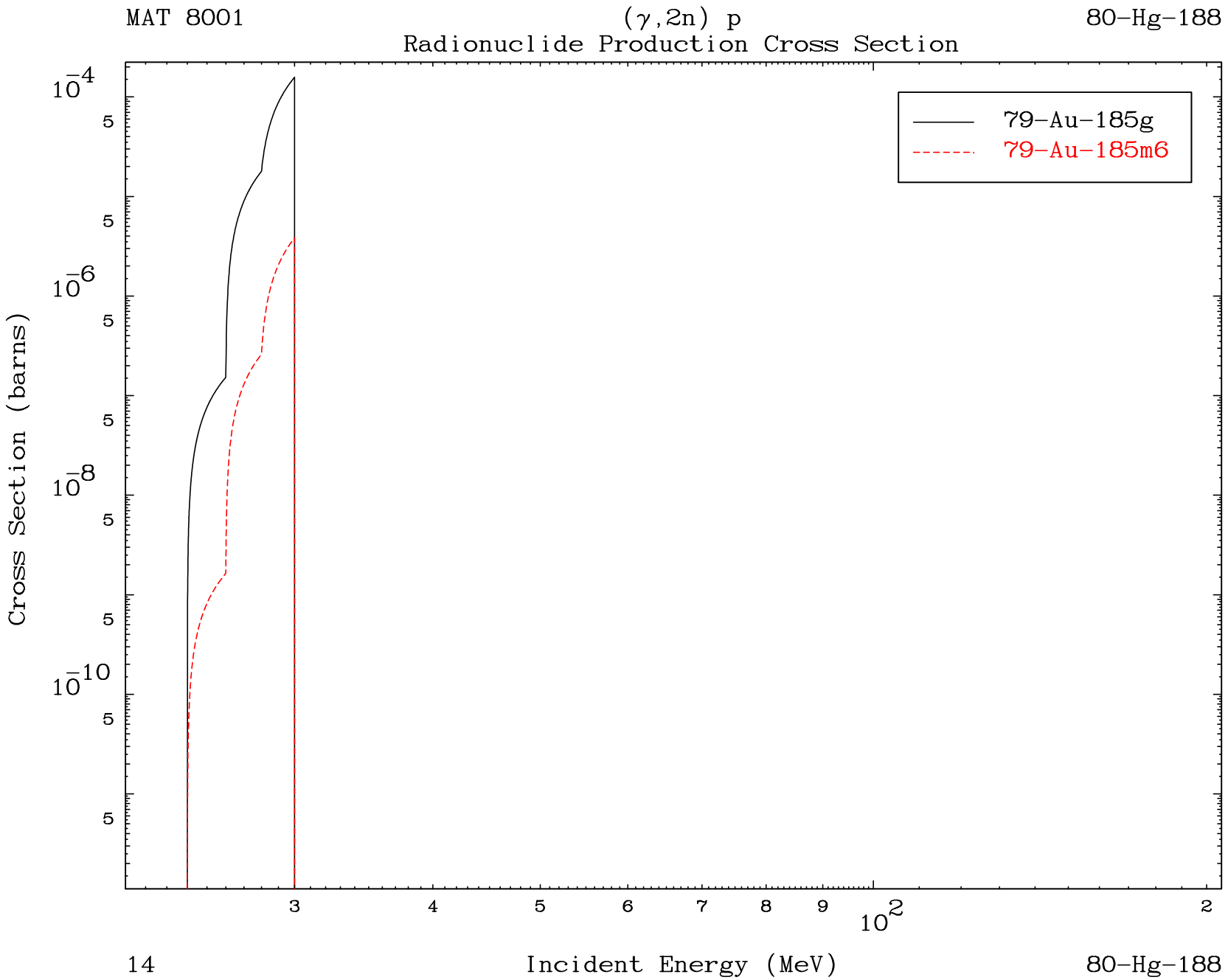

MAT 8001
(γ,α) Levels
80-Hg-188
0 Kelvin Cross Sections
(γ,α)
Cross Section (barns)
Incident Energy (MeV)
80-Hg-188
9

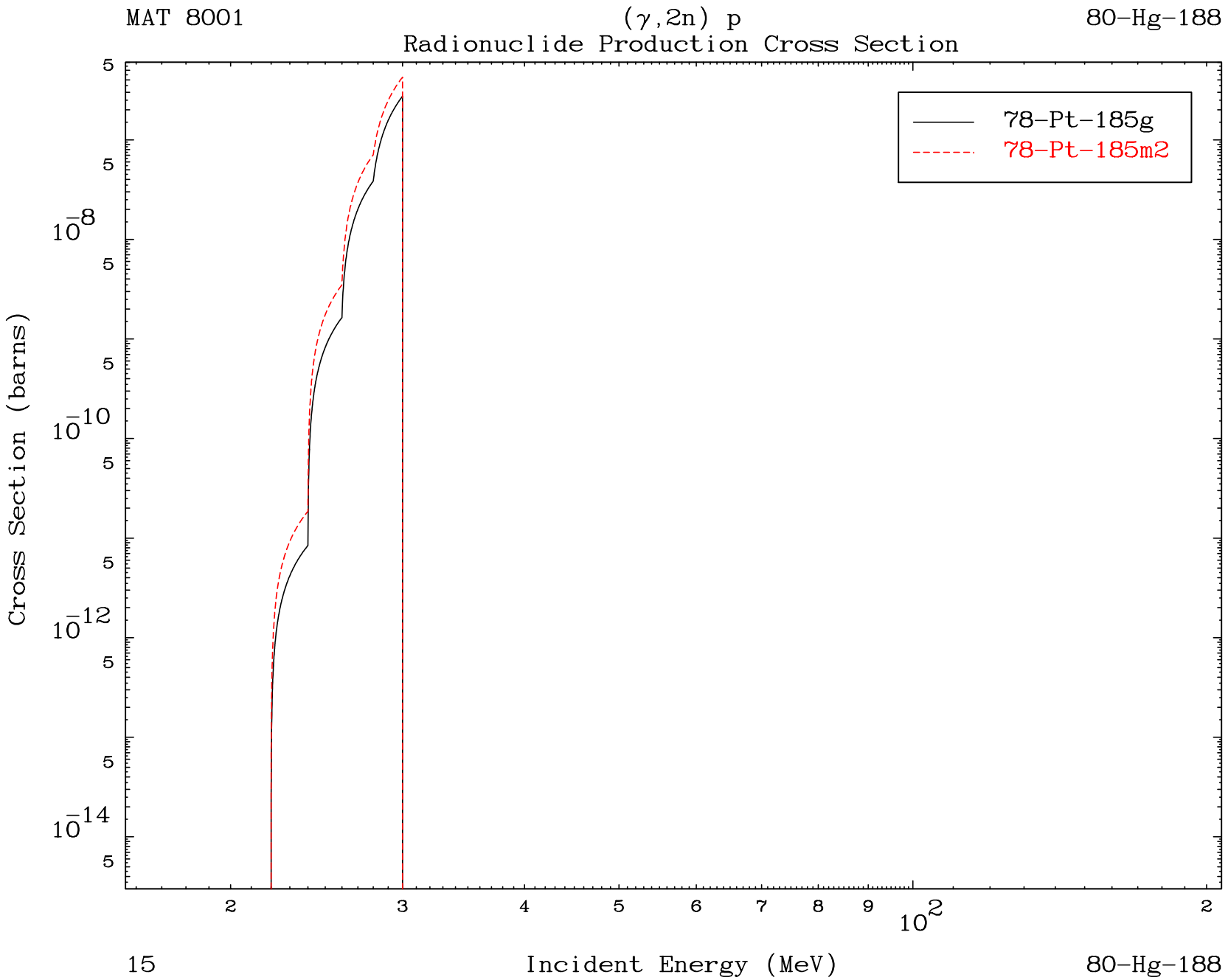

MAT 8001
Photon Inelastic
80-Hg-188
Radionuclide Production Cross Section
Cross Section (barns)
Incident Energy (MeV)
80-Hg-188
80-Hg-187g
80-Hg-187m1

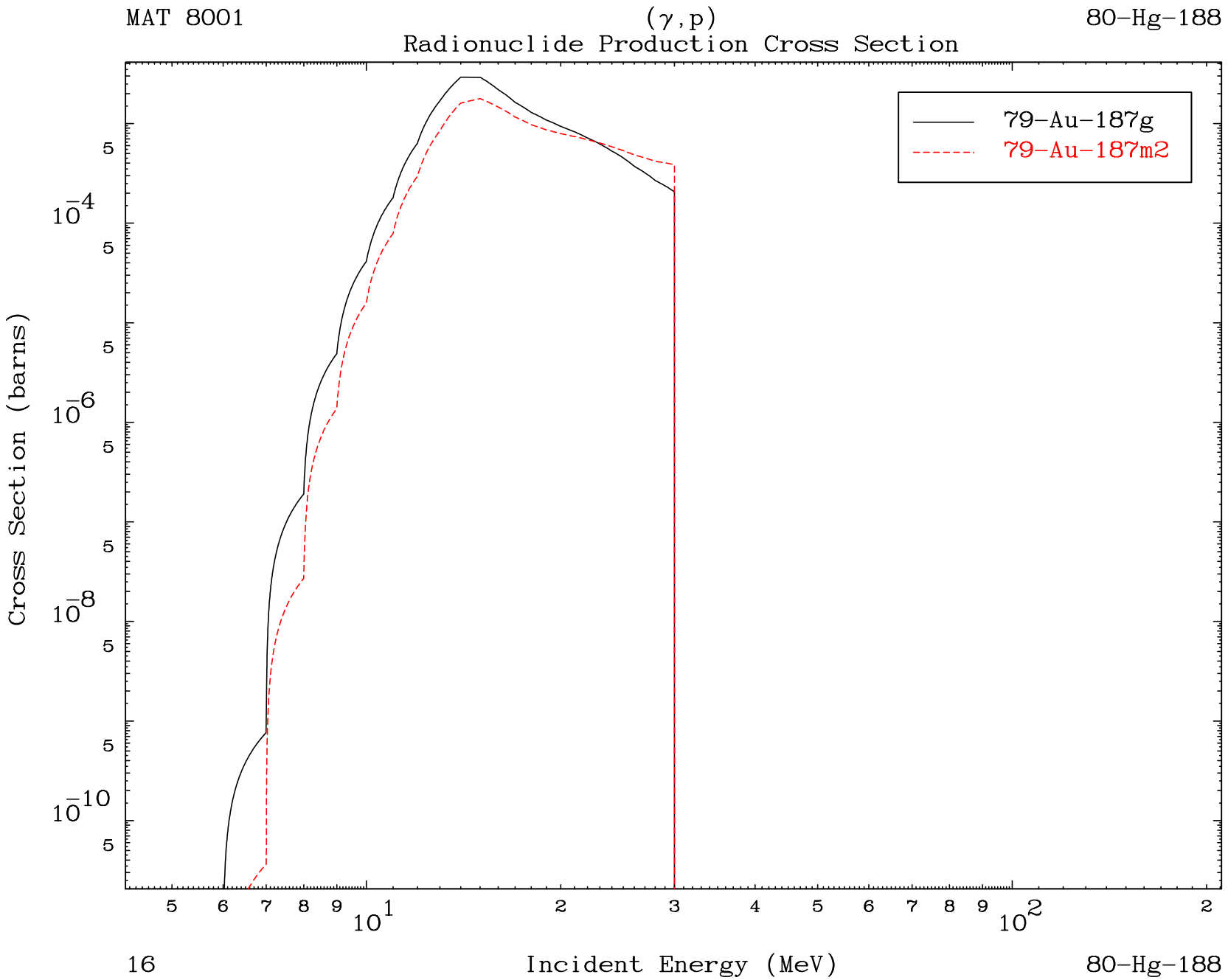

MAT 8001
Photon Fission
80-Hg-188
Radionuclide Production Cross Section
Photon
Cross Section (barns)
Incident Energy (MeV)
11
80-Hg-188

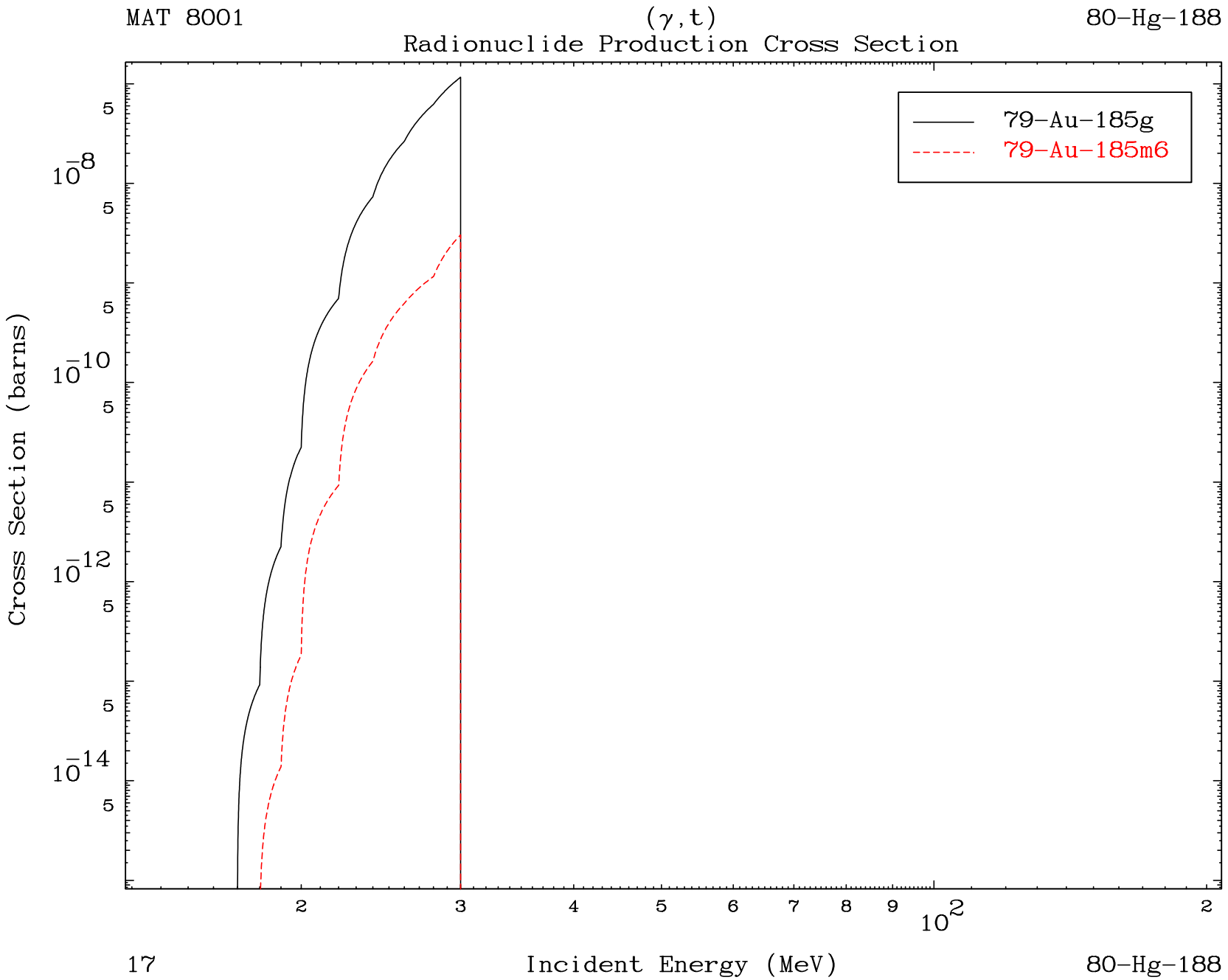

MAT 8001
(γ,n') α
80-Hg-188
Radionuclide Production Cross Section
78-Pt-183g
78-Pt-183m1
Cross Section (barns)
Incident Energy (MeV)
12
80-Hg-188

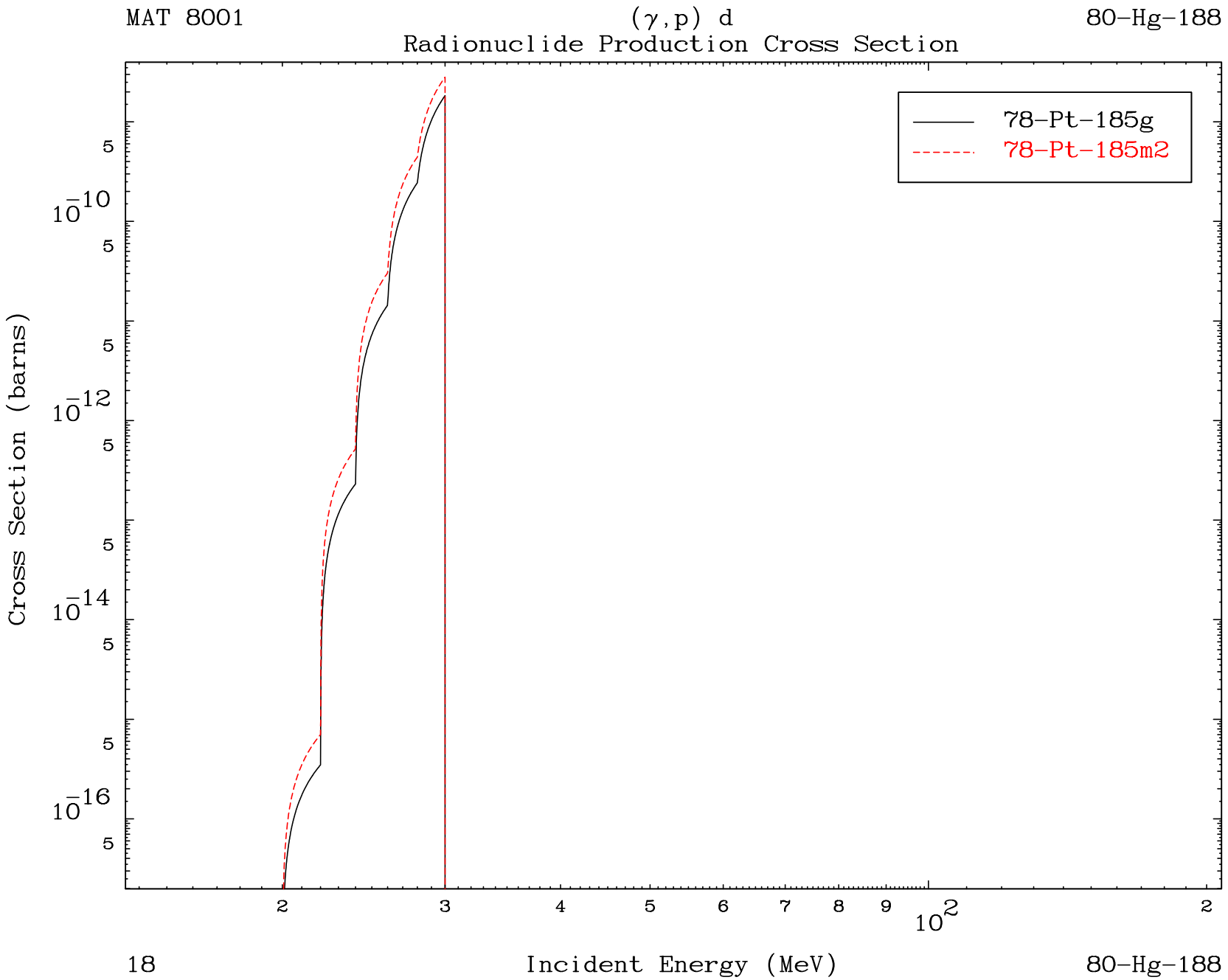

MAT 8001
(γ,n') d
80-Hg-188
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
6
7
8
9
10^2
13
Incident Energy (MeV)
80-Hg-188


MAT 8001
(γ,2n) p
80-Hg-188
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
10^-4
10^-6
10^-8
10^-10
3
4
5
6
7
8
9
10^2
2
14
Incident Energy (MeV)
80-Hg-188


MAT 8001
(γ,2n) p
80-Hg-188
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
Incident Energy (MeV)
15
80-Hg-188


MAT 8001
(γ,p)
80-Hg-188
Radionuclide Production Cross Section
79-Au-187g
79-Au-187m2
Cross Section (barns)
10-4
10-6
10-8
10-10
5
Incident Energy (MeV)
10 1
10 2
16
80-Hg-188


MAT 8001
(γ,t)
80-Hg-188
Radionuclide Production Cross Section
79-Au-185g
79-Au-185m6
Cross Section (barns)
10^-8
10^-10
10^-12
10^-14
5
2
3
4
5
6
7
8
9
10^2
2
17
Incident Energy (MeV)
80-Hg-188


MAT 8001
(γ,p) d
80-Hg-188
Radionuclide Production Cross Section
78-Pt-185g
78-Pt-185m2
Cross Section (barns)
10^-10
10^-12
10^-14
10^-16
5
2
3
4
6
7
8
9
10^2
18
Incident Energy (MeV)
80-Hg-188